

Patent Claims

1. A soldered condenser for a motor vehicle air-conditioning system having a pipe/ribbed block and
5 collector pipes which are arranged on both sides and which receive the ends of the pipes, and a collector which is arranged in parallel with one of the collector pipes and which is fluidically connected to the adjacent collector pipe via two openings and receives a
10 dryer/filter cartridge, characterized in that the collector (1) has a first soldered-in closure part (5), in that the dryer/filter cartridge (7) is mechanically connected to the first closure part (5), and in that the second closure part (6) is nondetachably connected
15 to the collector (1, 4).

2. The condenser as claimed in claim 1, characterized in that the dryer/filter cartridge (7) is attached to the bottom-side closure part (5).

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3. The condenser as claimed in claim 1 or 2, characterized in that the dryer/filter cartridge (7) is connected to the closure part (5) via a clip connection (19, 22).

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4. The condenser as claimed in claim 3, characterized in that the clip connection has at least one armature (19) which is soldered into the closure part (5) and behind which a sprung latching element (22) of the
30 dryer/filter cartridge (7, 8) engages.

5. The condenser as claimed in claim 4, characterized in that the dryer/filter cartridge (7) is composed of a plastic cage (8) with a bottom part (9) on which the
35 latching element (22) is integrally formed.

6. The condenser as claimed in one of the preceding claims, characterized in that the dryer/filter

cartridge (7, 8) has a circumferential sealing lip (15) in the region between the openings (2, 3).

7. The condenser as claimed in claim 6, characterized in that a sieve (16) is arranged on the plastic cage (8) on the circumference in the region below the sealing lip (15).

8. The condenser as claimed in one of the preceding claims, characterized in that a gap (12) is left between the dryer/filter cartridge (7, 8) and the inner wall of the collector (4), said gap (12) being spanned partially by a bead-like spacer element (13, 14).

9. A method for manufacturing a condenser as claimed in one of the preceding claims, characterized in that

- the condenser is first soldered to the pipe/ribbed block, collector pipes, collector and only one closure part (5) in an oven,
- in that the premounted dryer/filter cartridge (7) is then moved into the collector (1, 4) through the open end side and is attached to the closure part (5), and
- in that the collector (4) is finally nondetachably closed by means of the second closure element (6).